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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/585,358	MAEDA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Kambiz Zand	2132	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/08/2004.
2. ☒ The allowed claim(s) is/are 2,3, now renumbered as claims 1 and 2.
3. ☒ The drawings filed on 05/05/2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                  |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>12/02/04</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                         |
|   | 9. <input type="checkbox"/> Other _____.   |

**DETAILED ACTION**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Paul J. Skwierawski on 12/03/2004.

The application has been amended as follows:

**Claim 5-15**

- Please cancel claims 5-15 without traverse.
2. The text of those sections of Title 35, U.S. Code not included in this section can be found in the prior office action.
  3. The prior office actions are incorporated herein by reference. In particular, the observations with respect to claim language, and response to previously presented arguments.
  4. Claims 1 and 4-15 have been cancelled.
  5. Claims 2 and 3 have been amended.
  6. Claims 2 and 3 now re-numbered as claims 1 and 2 are pending.

***Response to Arguments***

7. Applicant's arguments with respect to the claims 2 and 3 and in the light of those presented in the interview dated 12/02/2004 are persuasive.

***Allowable Subject Matter***

8. **Claims 2 and 3** are allowed.

9. The following is an examiner's statement of reasons for allowance:

Perlman (5,455,865 A) teach a system having a hierarchical network (see fig.1, 7a-b; col.2, lines 33-36 where a hierarchical network is disclosed) with a domain name and address at each hierarchy (see fig.3a,4a,6a-b and 8a where each source or node of hierarchical network has a domain name and unique address represented by source id's; col.5, lines 31-40); and database for storing the public key (see col.5, lines 34-40 where a memory is an storage for storing data and where allocation of the public key and unique id's and other information in lines 41-57 is the database of each node since the database is nothing but a space within an storage area where information is kept) comprising having an inquiry from a first host to the second host to obtain information on the public key of the second host; triggering a response by sending the information on public key of the second host to the first host (see col.5, lines 58-67; col.6, lines 1-11 where by using a handshake the request for inquiry and the response is being taken place and where each node transmit the public key requested by the other node in order to identify themselves to each other).


Zdepski et al (5,825,884 A) disclose a DNS server provided at each hierarchy where the DNS server distribute a public key of a host to the host belongs to the network


(see fig.2, item 276; fig.5; col.2, lines 24-31; col.5, lines 64-67 and col.6, lines 1-20 where the database server that stores subscribers public keys and their ids corresponds to DNS server that stores public keys and by handshaking and request and challenge communicate with other hosts to provide request service based on association of the public key stored and its association with the id of the other host). However Perlman, Zdepski's system and method singly or in combination with each other or other prior art are in contrast with specific steps of applicant's invention where when a first host issues an inquiry about a public key of a second host on the information about the domain name, prompting the means for managing the public key to refer to the database, thereby answering the information on the public key of the second host corresponding to the domain name to the first host, wherein when the DNS server receives an inquiry of the public key of the second host from the first host, if no entry corresponding to the domain name of inquiry is found in the database of the DNS server itself, solution of the inquiry of the public key is recursively entrusted to another DNS server provided with the another means for managing a public key and the database along the hierarchy of the domain name as recited in **independent claim 1**.

10. **Dependent claim 3** as being dependent upon Independent claim 2 and having additional allowable features therein.

### Conclusion

11. Any comments considered necessary by the applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "comments on statement of reasons for allowance."
12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kambiz Zand whose telephone number is (571) 272-3811. The examiner can normally be reached on Monday-Thursday (8:00-5:00). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-38. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Kambiz Zand  
AU 2132  
12/03/04

  
JUSTIN T. DARROW  
PRIMARY EXAMINER